

# INTERNATIONAL SEARCH REPORT

International Application No.  
PCT/DE2004/000179

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04L12/28

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04L H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC, IBM-TDB

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/035699 A1 (CROSBIE DAVID B) 21 March 2002 (2002-03-21) paragraph '0009! - paragraph '0012! paragraph '0028! - paragraph '0029! figure 1	1-10
Y	US 2002/054578 A1 (WANG GUIJIN ET AL) 9 May 2002 (2002-05-09) paragraph '0071! paragraph '0076! paragraph '0077! figure 3	1-10

-/--

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

22 June 2004

Date of mailing of the international search report

06/07/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Rabe, M

EV 321885932US

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/DE2004/000179

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	WO 01/35585 A (ERICSSON TELEFON AB L M) 17 May 2001 (2001-05-17) page 1, line 9 - line 13 page 4, line 25 -page 5, line 23 page 7, line 12 -page 9, line 13 figure 1	1-10
A	JOHANSSON P ET AL: "SHORT RANGE BASED AD-HOC NETWORKING: PERFORMANCE AND PROPERTIES" ICC '99. 1999 IEEE INTERNATIONAL CONFERENCE ON COMMUNICATIONS. CONFERENCE RECORD. VANCOUVER, CA, JUNE 6 - 10, 1999, IEEE INTERNATIONAL CONFERENCE ON COMMUNICATIONS, NEW YORK, NY: IEEE, US, vol. 3, 6 June 1999 (1999-06-06), pages 1414-1420, XP000903607 ISBN: 0-7803-5285-8 Abschnitte I. und II.	1,10

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DE2004/000179

Patent document cited in-search report		Publication date	Patent family member(s)	Publication date
US 2002035699	A1	21-03-2002	AU 3978802 A	27-05-2002
			CA 2426482 A1	23-05-2002
			CA 2442416 A1	03-10-2002
			EP 1330894 A2	30-07-2003
			EP 1381950 A1	21-01-2004
			JP 2004514383 T	13-05-2004
			WO 0241587 A2	23-05-2002
			WO 02077820 A1	03-10-2002
			US 2002085719 A1	04-07-2002
			US 2002136226 A1	26-09-2002
			WO 0209458 A2	31-01-2002
<hr/>				
US 2002054578	A1	09-05-2002	NONE	
<hr/>				
WO 0135585	A	17-05-2001	AU 1652501 A	06-06-2001
			EP 1228606 A1	07-08-2002
			JP 2003514442 T	15-04-2003
			WO 0135585 A1	17-05-2001
			TW 484279 B	21-04-2002
<hr/>				